

tive bows and arrows, Sandwich Islands; Malay dirk; clay lamp from Egyptian tomb; brick from the great wall of China, presented by Mrs. Paul Shirley.

Stone implements, consisting of chisels, arrowheads, ornaments, fragments of pottery, etc., from the banks of the Susquehanna near Lewisburg, Union County, Pa., from C. T. Grier.

Pottery, arrowheads from a shell mound at Tampa, Florida, from Lient. A. W. Vogdes.

One skeleton (adult) one ditto (child), and nine skulls from Peru, presented by Dr. C. A. Siegfried, U. S. N.

Specimen of carved stone pipe from North Western America, from C. S. Bement.

Indian pestle, found on a farm in Bushkill Township, Pike County, Pa., from Maxwell Somerville.

A skull and human bones taken from an Indian mound five miles northwest of Shipman, Ill., Oct. 1875, also shells, pottery, etc. Stone axe from the face of a cutting for a roadway in the outer margin of the Mississippi River, one mile above Alton, Ill. Stone axe from Maconpin County, Ill. Stone axe from near Norristown, Montgomery County, Pa.; six arrowheads from Ohio, three ditto from Illinois, and two from Indiana, presented by John Ford.

Respectfully submitted by

JOSEPH LEIDY,

Chairman of Curators.

REPORT OF THE BIOLOGICAL AND MICROSCOPICAL SECTION.

The year just closed has witnessed a marked improvement in the interest manifested in this Section, evinced both in the more liberal display of microscopical objects and the increased number of communications upon allied subjects, which have had the gratifying effect of largely augmenting the attendance upon the meetings. This latter condition has also been contributed to by a modification of the By-laws providing that the meetings of the Section shall be held semi-monthly instead of monthly; while the labors of a business committee, appointed to provide and arrange material for the meetings, have been so efficiently performed that the Section takes pleasure in also recognizing that influence.

Early in the year the Section was called upon to fill vacancies occurring in two of its most important offices, Dr. Ruschenberger having resigned from the directorship, and Dr. Richardson from that of Recorder; the regrets of the Section at this unexpected change was expressed in resolutions of thanks (ordered to be placed on the minutes) to these gentlemen, for the faithful and long-continued discharge of their duties.

Dr. R. S. Kenderdine for Director, and Dr. Carl Seiler for Recorder were elected to fill the vacancies for the unexpired term. Subsequently the Vice-Director and three other members tendered their resignations, all of which were accepted upon the usual conditions. A member was lost in consequence of being dropped from the Academy's list.

This withdrawal of original members has been in numbers more than compensated for by the election of eight active members and the addition of four associates.

A book has been provided by the Curator for the purpose of keeping therein a record of the successful methods of preparing microscopic objects, that the members may have the opportunity of aiding each other in their work.

Six papers have been read before the Section, five of which have been published in periodicals.

Their titles were as follows:—

“Post Centennial Microscopic Notes,” by Dr. J. G. Hunt; “Staining and Mounting Animal Tissues,” by Dr. Carl Seiler; “Late Improvements in Microscopes,” by Mr. Jos. Zentmayer; “Observations upon the Life and Habitat of the *Melicerta* and *Limnias*,” by Dr. C. N. Peirce; “*Eucalyptus* Oils,” by Thomas Taylor; “Origin and Development of Deciduous and Permanent Teeth,” illustrated by sections, and drawings, by Dr. J. H. McQuillen; one lecture on “Some Analogies between Animal and Vegetable Tissues,” by Dr. J. G. Hunt; “An Exhibition with the Gas Microscope,” by Dr. Reed.

Five verbal communications on “The Reproduction of Plants and especially of the *Spyrogara Dubia*” were given by Dr. J. G. Hunt; one on a “New Self-Centering Turntable,” by Mr. Jos. Zentmayer; one on “*Physalia* and its Lasso Cells,” by Capt. Mortimer; one on a “New Histological Stand,” of his invention, by Mr. Jos. Zentmayer; and remarks upon Baush & Lomb's New Microscope, by Dr. J. G. Hunt. These essays and commu-

nications presented as they were with microscopic illustrations, wherever practicable, elicited much interesting and instructive discussion, participated in by many of the members.

On November 19th the annual microscopical exhibition was held, the museum and adjoining rooms being opened and lighted for the reception and better accommodation of our invited guests. At an early hour the members of the Academy never before witnessed so large and interested an audience (numbering near three thousand) as was assembled within its building. Nor did our friends and visitors ever have the pleasure of viewing a more liberal and beautiful display of microscopes and microscopical objects than was on that occasion presented.

Our Director, Dr. Kenderdine, welcomed the audience with some appropriate remarks, in which pertinent allusion was made to the advanced step in education, which had been so largely contributed to by microscopists in urging the importance of educating the eye to observe.

In this necessarily abridged and imperfect sketch of the work and progress of the Section during the past year we see that much yet remains to be done to increase its efficiency and interest; but with what has been accomplished in this department of science, we are warranted in believing that with our present knowledge and growing opportunities we shall recognize the interest awakened as permanent, and that the future will be not less fruitful in results than the past has been.

The officers elected to serve for the ensuing year are as follows:—

<i>Director</i>	.	.	.	.	Dr. R. S. Kenderdine.
<i>Vice-Director</i>	.	.	.	.	Dr. J. H. McQuillen.
<i>Recorder</i>	.	.	.	.	Dr. Carl Seiler.
<i>Corresponding Secretary</i>	.	.	.	.	Dr. C. N. Peirce.
<i>Treasurer</i>	.	.	.	.	Dr. Isaac Norris.
<i>Conservator</i>	.	.	.	.	Dr. J. G. Hunt.
<i>Curators</i>	.	.	.	.	Dr. Charles Schaffer, Charles Zentmayer.

C. SEILER,
Recorder.